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1 Claims

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1. A water treatment system comprising a host
water treatment apparatus and a separable water
treatment component, said component being
useable in the host apparatus, wherein the
component has an electronic circuit adapted to
co-operate with an electronic circuit in the
host apparatus.

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11 2. A water treatment system as claimed in Claim 1
12 wherein the co-operation between the component
13 and the host apparatus is either one way or
14 two-way.

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3. A water treatment system as claimed in Claim 1 or Claim 2 wherein the component circuit and the host circuit communicate via one or more of the following transmittable waveforms: radio, infrared, optical and magnetic.

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22 4. A water treatment system as claimed Claim 1 or
23 Claim 2 wherein the component circuit and the
24 host circuit communicate by physical electrical
25 contact.

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27 5. A water treatment system as claimed in any one
28 of the preceding Claims wherein co-operation of
29 the component circuit and the host circuit is
30 only possible when the component is conjoined
31 with the host apparatus.

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1	6.	A water treatment system as claimed in any one
2		of the preceding Claims wherein the component
3		circuit and/or the host circuit includes a
4		memory capacity.
5		
6	7.	A water treatment system as claimed in any one
7		of the preceding Claims wherein each electronic
8		circuit can read and/or interrogate the other
9		electrical circuit.
10		
11	8.	A water treatment system as claimed in any one
12		of the preceding Claims wherein the electrical
13		circuit in the host apparatus includes a
14		central processor, and the electrical circuit
15		in the component includes a data chip.
16		
17	9.	A water treatment system as claimed in any one
18		of the preceding Claims wherein the electronic
19		circuit of the component provides an enablement
20		signal to the electronic circuit of the host
21		apparatus, and/or vice versa.
22		
23	10.	A water treatment system as claimed in Claim 9
24		wherein the enablement signal includes means
25		for the component or host apparatus to control
26		the other part.
27		
28	11.	A water treatment system as claimed any one of
29		the preceding Claims wherein the component and
30		host inter-co-operate.

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1 12. A water treatment system as claimed in any one 2 of the preceding Claims wherein the electronic 3 circuit of the component includes at least a data tag. 4 5 6 13. A water treatment system as claimed in Claim 12 7 wherein presence of the data tag is identified 8 by the electronic circuit of the host 9 apparatus. 10 11 14. A water treatment system as claimed in any one 12 of the preceding Claims wherein lack of co-13 operation between the electronic circuit of the component and electronic circuit of the host 14 15 apparatus indicates the incorrect fitment 16 and/or installation of the component with the 17 host apparatus. 18 19 . 15. A water treatment system as claimed in any one 20 of the preceding Claims wherein lack of co-21 operation between the electronic circuit of the 22 component and the electronic circuit of the 23 unit identifies incorrect operation of the 24 component and/or the host apparatus. 25 26 16. A water treatment system as claimed in any one 27 of the preceding Claims wherein information in 28 the component is accessed from the component 29 and displayed by the host apparatus. 30

31 17. A water treatment system as claimed in any one 32 of the preceding Claims wherein information

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1		that is communicated between the electronic
2		circuits of the component and the host
3		apparatus is validation information, production
4		information and/or manufacturing information.
5		
6	18.	A host water treatment apparatus useable with a
7		water treatment component to provide a water
8		treatment system, said host apparatus having a
9		electronic circuit adapted to co-operate with
10		an electronic circuit in the component in a
11	•	manner as defined in any one of Claims 1 to 17.
12		
13	19.	A separable treatment component useable with a
14		host water treatment apparatus, said component
15		having an electronic circuit adapted to co-
16		operate with an electronic circuit in the host
17		apparatus.
18		
19	20.	A treatment component as claimed in Claim 19
20		wherein the component is a water treatment
21		component adapted to provide a water treatment
22		system in co-operation with the host apparatus.
23		
24	21.	A treatment component as claimed in Claim 19
25		wherein the component is adapted to sanitise
26		and/or clean one or more parts of the host
27		apparatus.
28		
29	22.	A treatment component as claimed in any one of
30		Claims 19 to 21 wherein the electronic circuits
31		co-operate in a manner as defined in any one of
32		Claims 1 to 17.

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2	23.	A treatment component as claimed in any one of
3		Claims 19 to 22 wherein the electronic circuit
4		of the component is integral with the
5		component.
6		
7	24.	A treatment component as claimed in Claim 23
8		wherein the electronic circuit is embedded into
9		or mounted onto the component.
10		
11	25.	A treatment component as claimed in any one of
12		Claims 19 to 24 wherein the electronic circuit
13		of the component includes a database having
14		characterising data relating to the component.
15		
16	26.	A treatment component as claimed in any one of
17		Claims 19 to 25 wherein the data of the
18		component electronic circuit is encrypted.
19		
20	27.	A treatment component as claimed in any one of
21		Claims 19 to 26 wherein the component is a
22		consumable replaceable unit.
23		
24	28.	A treatment component as claimed in Claim 27
25		wherein the component is a cartridge.
26		
27	29.	A water treatment component substantially as
28		hereindescribed and with reference to Figure 1.